SCIENTIFIC PROGRAM

MONDAY MAY 28	
14.00-onward: **Registration opens**	
15.30: **Opening remarks**	
SESSION 1: GATA factors in invertebrate development	**CHAIR: John Strouboulis**
15.45: **Jim McGhee**	The basis for endodermal specificity of C. elegans GATA factors
16.15: **Joel Rothman**	GATA factors in developmental plasticity, reprogramming, and "transorganogenesis" in *C. elegans*
16.45: **Marc Haenlin**	Transcriptional regulation of haematopoiesis by GATA and FOG transcription factors in Drosophila
17.15: Short talk 1: **Ute Rothbächer**	Repression of GATA binding sites by Wnt signaling effectors in the tunicate *Ciona intestinalis*
17.30-18.00: COFFEE BREAK	
18.00: THE IJMS KEYNOTE LECTURE: Masayuki Yamamoto **GATA transcription factors: a quarter century of discoveries**	
19.00: WELCOME DRINK	
20.00: DINNER AT THE HOTEL	
TUESDAY MAY 29	
SESSION 2: GATA factors in transcriptional regulation	**CHAIRS: Mona Nemer and Roger Patient**
8.45: **Jacqueline Matthews**	Assembly of an activating GATA1-containing transcription factor complex
9.15: **Oriana Romano**	Unravelling the mechanisms of GATA-mediated gene regulation in human erythropoiesis

9.45: **Ross Hardison**	Systematic integration of epigenomes via IDEAS paints the regulatory landscape of hematopoiesis
10.15: Short talk 2: **Satoshi Shimizu**	Determination and crystallization of GATA4 dimerization domain
10.30-11.00: COFFEE BREAK	
11.00: **John Strouboulis**	Friend of GATA1 (FOG-1) interactions with CTCF and the cohesin complex suggest a novel "architectural" function in erythroid cells
11.30: Short talk 3: **Yi Qiu**	HDAC1 interacts and deacetylates GATA-1 in a FOG-1 independent manner and this interaction is critical for GATA-1 mediated gene transcription
11.45: Short talk 4: **Miyazaki Yusuke**	p300/GATA4 Pathway Accelerates Cardiomyocyte Hypertrophy through Phosphorylation of RACK1
12.00: **Claus Schwechheimer**	LLM-domain GATA factors regulate chlorophyll biosynthesis and stomata development in *Arabidopsis thaliana*
12.30-14.00: LUNCH AND POSTER VIEWING	
SESSION 3: GATA factors and organ development	**CHAIRS: Elaine Dzierzak and Joel Rothman**
14.00: **Anna-Katerina Hadjantonakis**	GATA6 is a key node in the network driving cell fate choice to or away from pluripotency
14.30: **Mona Nemer**	Cardiac generation and maintenance by GATA factors
15.00: **Heikki Ruskoaho**	GATA4 in myocardial remodelling
15.30: Short talk 5: **Caroline Telfer**	Dissecting the upstream regulation of the GATA genes during heart development
15.45: Short talk 6: **Lara Gharibeh**	Cellular basis of GATA6-dependent Congenital Heart Diseases
16.00-16.30: COFFEE BREAK	
16.30: **Anabel Rojas**	GATA factors in pancreas and liver development and disease
17.00: **Sergei Tevosian**	Adrenal Development and Function in Mice Require GATA4 and GATA6 Transcription Factors
17.30: Short talk 7: **Elizabeth J Whitcomb**	GATA4 is an upstream activator of Angiopoietin-like 7 in endothelial cells
17.45: Short talk 8: **Karin M. Kirschner**	Transcriptome analysis of GATA4 knockdown in murine embryonic female and male gonads
18.00: EMBO SCIENCE POLICY LECTURE: Mona Nemer **Scientists and science policy intersection**	
19.00: DINNER AT THE HOTEL	
20.00-onward: POSTER SESSION 1 (Posters 1-16)	

WEDNESDAY MAY 30	
SESSION 4: GATA factors in hematopoiesis	**CHAIRS: Jacqueline Matthews and John Crispino**
8.45: EMBO LECTURE: Roger Patient **The roles and controls of GATA factors in blood and cardiac development**	
9.30: **Elaine Dzierzak**	Single cells transitioning to hematopoietic fate during development show pulsatile Gata2 expression
10.00: **Katrin Ottersbach**	A cell-intrinsic role for Gata3 in haematopoietic stem cell generation
10.30: Short talk 9: **Chris S. Vink**	Gata2 and its role during endothelial-to-hematopoietic transition in the mouse embryo
10.45: Short talk 10: **Alessandra Giorgetti**	GATA2 directly represses cardiac fates to promote hematopoietic specification of human mesoderm
11.00-11.30: COFFEE BREAK	
11.30: **Catherine Porcher**	Structure/function relationship between GATA and bHLH transcription factors during blood specification
12.00: **Claus Nerlov**	Myelo-erythroid progenitors and leukemias
12.30: Short talk 11: **Makoto Kobayashi**	LSD1-mediated regulation of Gata genes in primitive and definitive hematopoiesis
12.45-14.15: LUNCH AND POSTER VIEWING	
SESSION 5: GATA factors in the development of the immune system	**CHAIRS: Catherine Porcher and Jim McGhee**
14.15: **Laura Gutierrez**	Fine-tuning of dendritic cell function by GATA1
14.45: **Jinfang (Jeff) Zhu**	A critical role of GATA3 in the development of innate lymphoid cell subsets
15.15: **Rudi Hendriks**	Differential role for GATA3 in T helper 2 cells and group 2 innate lymphoid cells
15.45: Short talk 12: **Hans Joerg Fehling**	New insights into early T lymphopoiesis using a novel, non-gene-destructive strain of *Gata3*-reporter mice
16.00-16.15: COFFEE BREAK	
16.15: **Ellen Rothenberg**	Interaction-dependent transcription factor choreography mediates a developmental switch in pro-T cells
16.45: **Avinash Bandoola**	A lineage commitment checkpoint in early ILC development
17.15: **Ryan Wilcox**	GATA3 as a novel therapeutic target in T-cell lymphomas
17.45: Short talk 13: **Kai Ling Liang**	

	GATA3 mediates transition of human T-cell lineage specification to commitment through suppression of IRF8
18.00: Short talk 14: **Fangwu Wang**	Analysis of lymphoid restriction in human hematopoietic cells defined by their clonal outputs in multi-lineage cultures
18.15: WOMEN IN SCIENCE LECTURE: Elaine Dzierzak	
19.00: DINNER AT THE HOTEL	
20.00-onward: POSTER SESSION 2 (Posters 17-32)	
THURSDAY MAY 31	
SESSION 6: GATA factors and human disease	**CHAIRS: Laura Gutierrez and Masayuki Yamamoto**
9.00: **Yogen Saunthararajah**	GATA4 loss-of-function in liver cancer impedes precursor to hepatocyte transition
9.30: **Yehudit Birger**	GATA factors in congenital erythroid disorders
10.00: **Irene Roberts**	GATA1, trisomy 21 and leukaemia-unravelling the link
10.30: **Paresh Vyas**	Downs Syndrome Acute Myeloid Leukaemia: GATA1 and its friends
11.00-11.30: COFFEE BREAK	
11.30: **Anna Rita Migliaccio**	Lessons on the pathogenesis of primary myelofibrosis from the *Gata1^{low}* mouse model of the disease
12.00: **John Crispino**	Targeting GATA1 deficiency as a therapeutic strategy in primary myelofibrosis
12.30: **Ritsuko Shimizu**	GATA2 hypomorph triggers chronic myelomonocytic leukemia in mice
13.00-14.30: LUNCH BREAK	
14.30: **Ruud Delwel**	GATA2 enhancer defects as drivers of leukemia development
15.00: **Philipp Greif**	Distinct GATA2 mutation patterns in patient subgroups of acute myeloid leukemia (AML)
15.30: **Mikiko Suzuki**	GATA2 haploinsufficiency accelerates EVI1-driven leukemogenesis
16.00: Short talk 15: **Avigail Rein**	Creation and analysis of two mouse models revealing the role of gata2 as a tumor suppressor
16.15: Short talk 16: **Monica Perez de Andres**	GATA4: understanding the balance between inflammation and tumor initiation in pancreatic cancer
16.30: **Closing remarks**	
17.30: FAREWELL SOCIAL EVENT: VISIT TO THE LYRARAKIS VINEYARDS AND WINERY (https://www.lyrarakis.com/en/home)	

FRIDAY JUNE 1
Breakfast and departure